

Serial No. C9/232,522

Filed: January 19, 1999

C 1. (New) An antibody to the human IL-12 p75 heterodimer ^{which consists of a p35 subunit and a p40 subunit} wherein said antibody ^{said heterodimer consisting of}

(a) immunologically reacts with an epitope presented by the p75 heterodimer of human IL-12, but is not immunologically reactive with any epitope presented by said p40 subunit; and

(b) is produced from a hybridoma cell line obtained from a mouse which is deficient in the gene encoding said p35 subunit or the p40 subunit of IL-12, said hybridoma cell line being selected from the group consisting of ATCC designation HB-12 446, HB-12-447, HB-12 448, and HB-12 449, ^{or a humanized antibody, thereof.}

2. (New) A monoclonal antibody to human IL-12 ^{said human IL-12 consisting of} ~~which consists of~~ a p35 subunit and a p40 subunit ^{which form} forming a p75 heterodimer, wherein said monoclonal antibody

(a) immunologically reacts with an epitope presented by the p75 heterodimer of human IL-12, but is not immunologically reactive with an epitope presented by said p40 subunit;

(b) neutralizes at least about 90% of the bioactivity of human IL-12; and

(c) is produced from a hybridoma cell line selected from the group consisting of ATCC designation Nos. HB-12 446, HB-12 447, HB-12448, and HB-12 449, ^{or a humanized antibody, thereof.}

3. (New) A hybridoma that is capable of producing a monoclonal antibody to human IL-12, ^{said human IL-12 consisting of} ~~which consists of~~ a p35 subunit and a p40 subunit ^{which form} forming a p75 heterodimer, wherein said antibody

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Conclude*
- (a) immunologically reacts with an epitope presented by the p75 heterodimer of human IL-12, but is not immunologically reactive with any epitope presented by said p40 subunit; and
- (b) is produced from a cell line obtained from a mouse deficient in a gene encoding said p35 subunit or said p40 subunit, said hybridoma cell line being selected from the group consisting of ATCC designation HB-12 446, HB-12 447, HB-12 448, and HB-12 449.
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Please amend the claims as follows:

- 47*
- Claim 6, line 1, change "~~6~~" to --- 37 --- ✓
 - Claim 8, line 1, change "1" to --- 37 --- ✓
 - Claim 10, line 1, change "1" to --- 37 --- ✓
 - Claim 12, line 1, change "1" to --- 37 --- ✓
 - Claim 21, line 1, change "14" to --- 38 --- ✓
 - Claim 23, line 1, change "14" to --- 38 --- ✓
 - Claim 25, line 1, change "14" to --- 38 --- ✓
 - Claim 27, line 1, change "14" to --- 38 --- ✓
 - Claim 30, line 1, change "29" to --- 39 --- ✓
 - Claim 31, line 1, change "29" to --- 39 --- ✓
 - Claim 32, line 1, change "29" to --- 39 --- ✓
 - Claim 33, line 1, change "29" to --- 39 --- ✓